MONTHLY WEATHER MAP

METEOROLOGICAL SERVICE
DOMINION OF CANADA

NOVEMBER 1931

TEMPERATURE

November averaged cooler than normal in British Columbia and in Alberta south of Athabasca Landing, as well as in the southwestern corner of Saskatchewan. In the interior of British Columbia the deficiency was four to ten degrees, and on the coast two or three degrees. The deficiency was three to five degrees in southern Alberta, and one or two degrees in southwestern Saskatchewan.

Over a very large part of the Dominion the month was one of the warmest Novembers on record, or surpassed previous records. The greatest excess occurred in the lower Mackenzie valley, and from Great Bear Lake to the Coppermine river, and amounted to twelve or fourteen degrees. Over a large part of Ontario and Quebec the excess was eight to eleven degrees; in the Atlantic provinces four to eight; in eastern Manitoba six to ten; in western Manitoba and eastern Saskatchewan one to four degrees.

A tendency to temperatures below normal was noted on the southern Labrador coast, as well as north of Chesterfield Inlet and to the west of Baffinland. In Hudson Strait and over most of the Hudson and James Bay regions, there was an excess of four to ten degrees.

PRECIPITATION

In part of British Columbia, the Peace River valley, extreme southern Alberta, the northern parts of the grain region of Saskatchewan, locally in eastern Manitoba, in Ontario from the Lake of the Woods, east to the Georgian Bay and the upper Ottawa river, locally in Quebec, precipitation was heavier than usual. Deficiences were important in part of western Manitoba, much of the lower St. Lawrence valley and Gulf regions, as well as in the Atlantic provinces.

In British Columbia there was heavy snow in the region of the Kootenay and Arrow Lakes. Precipitation was practically normal in amount in the lower Fraser valley, in excess in the upper Fraser region but rather light in the Okanagan and Similkameen districts. Sufficiently cold weather for skating followed the wet spell in the lower Fraser valley.

Over most of the grain belt in the West precipitation was either in excess or nearly up to normal, except in western Manitoba.

The precipitation in northern Ontario and the Georgian Bay region was very heavy in some places, while in southern Ontario the deficiencies were generally unimportant.

In southwestern Quebec precipitation was not much below normal with excess towards Lake Temiskaming and locally north of Lake St. John. In the upper St. Maurice region and along the Saguenay, as well as in the Gulf region, precipitation was light.

In New Brunswick the deficiency ranged from thirty to seventy-five per cent., while in Nova Scotia and Prince Edward Island, it ranged from fifty to seventy-five per cent. of the normal amount.

A. J. CONNOR

SPECIAL REPORTS

NOTE—Column H is Highest Temperature; Column L is Lowest Temperature; Column P is Precipitation in inches; Column I denotes total of bright sunshine in hours during the month; Column Sg denotes depth of snow on ground in inches; where given.

BRITISH COLUMBIA

STATION	H	L	P	I	STATION	H	L	P	I	STATION	H	L	P	I
Victoria	56°	32°	5.3	110	White Rock	59°	24°	5.6		Greenwood	49°	-13°	2.2	
Sooke	60°	23°	8.2		Agassiz	58°	24°	8.4	63	Kaslo	53°	10°	4.2	
Duncan	60°	19°	2.9		Oliver	60°	15°	0.7	58	Golden	52°	-18°	1.4	
Cowichan Bay	56°	25°	4.7		Summerland	59°	11°	0.8	54	Glacier	39°	0°	5.5	
Nanaimo	56°	27°	3.2	74	Vernon	60°	8°	1.6	38	New Hazelton	53°	-18°	1.6	
Port Alberni	57°	23°	6.7		Salmon Arm	65°	11°	2.6	30	Quesnel	59°	-11°	1.3	
Courtenay			2.6		Kamloops	56°	6°	0.8		Prince George	48°	-16°	2.5	60
Vancouver	52°	26°	8.3	97	Princeton	59°	-9°	1.1		Prince Rupert	54°	22°	11.3	
New Westminster	57°	24°	7.7		Nelson	55°	7°	6.3						

ALBERTA, SASKATCHEWAN AND MANITOBA

STATION	H	L	P	I	Sg	STATION	H	L	P	I	Sg
Beaver Lodge (Grande Prairie)	52°	-12°	1.4	103		Qu'Appelle	58°	-14°	0.6	101	1
Fairview	51°	-15°	1.8	91		Moose Jaw	65°	-11°	0.3	112	
Jasper	54°	-14°	1.1			Le Pas	48°	-8°	0.7	73	8
Edmonton	74°	-17°	0.7	123	2	Minnedosa	61°	-2°	0.1		T
Banff	51°	-17°				Winnipeg	66°	-1°	1.2	108	3
Calgary	67°	-16°	0.7	114		Birtle	60°	-14°	0.1		
Medicine Hat	66°	-14°	1.3	92	1	St. Albans (Treesbank)	65°	-4°	0.3		
Battleford	62°	-14°	0.7			Brandon	65°	-8°	0.1	116	
Scott	64°	-14°	0.8	90		Treherne	64°	-7°	0.9		6
Prince Albert	52°	-4°	1.0		4	Morris	70°	-2°	1.0		5
Swift Current	64°	-14°	0.5	124	5	Warren	65°	-10°	0.8		

ONTARIO

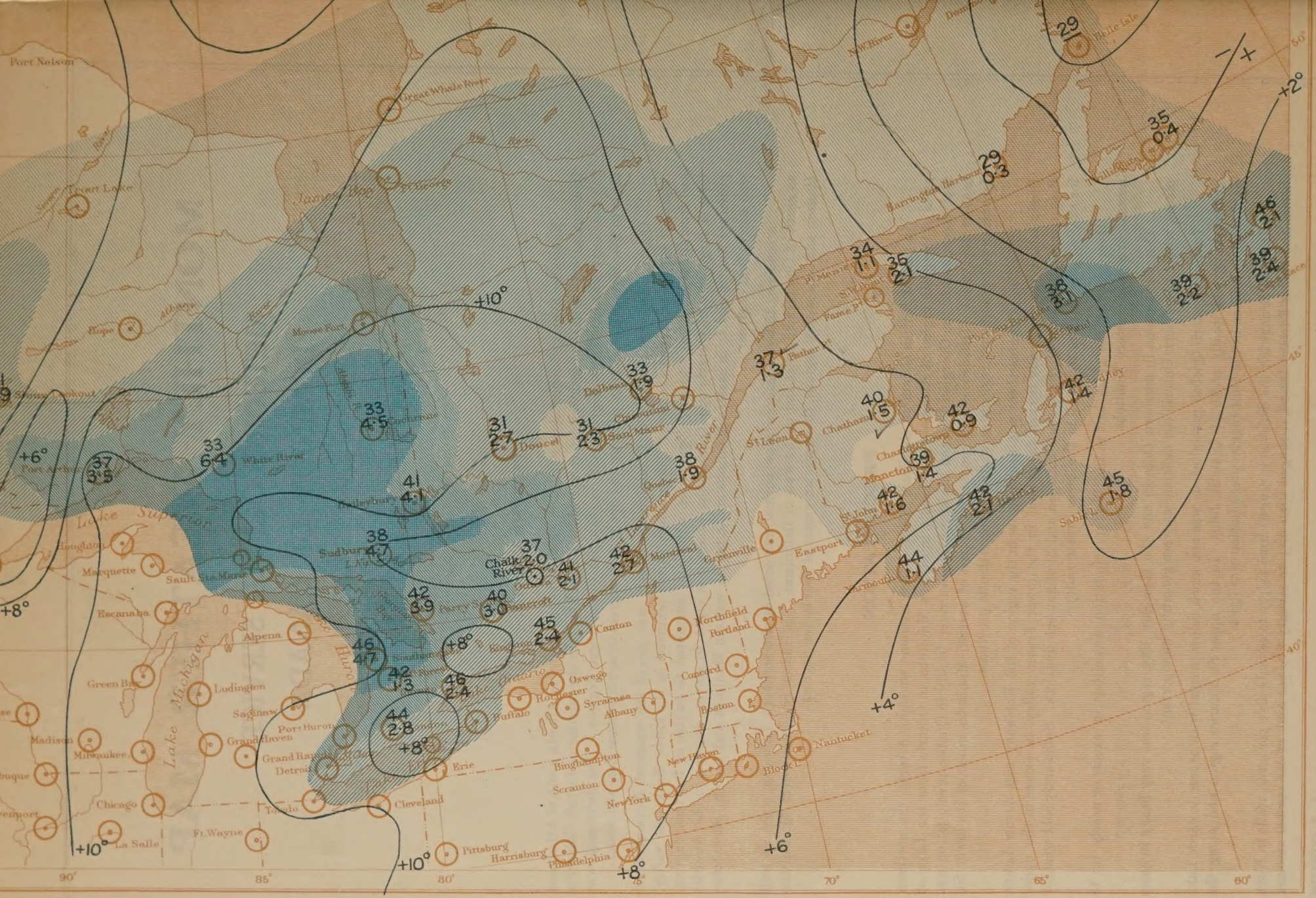
Atikokan	62°	9°	2.8			Barrie	66°	20°	4.1		
Mine Centre	60°	10°	2.4	4		Walkerton	71°	24°	4.4		
Ignace	56°	-15°	4.7			Mount Forest	69°	20°	1.3		T
Kenora	54°	-3°	2.5			Brucefield	68°	27°	3.6		
Sioux Lookout	53°	9°	2.9			Stratford	70°	22°	3.2		¼
Port Arthur	54°	16°	3.5			London	69°	24°	2.7		
Quorn	47°	-12°	1.5			Woodstock	68°	26°	2.5	74	0
White River	64°	8°	6.4			Paris	70°	24°	2.4		0
Schreiber	53°	12°	2.2			Alton	70°	21°	3.6		0
Chapleau	67°	7°	5.0			Harrow	67°	26°	1.0	100	
Ruel	62°	10°	4.0			Simcoe	76°	24°	3.0		
Cochrane	63°	12°	4.5		3	Toronto	66°	28°	2.4	75	0
Haileybury	64°	16°	4.1		1	Beeton	80°	10°	3.3		0
Heaslip	63°	12°	3.5			Bloomfield	66°	14°	2.6		
Kapuskasing	65°	9°	4.4	41		Queensboro'	65°	15°	2.0		
Algonquin Park	72°	14°	3.4			Peterboro'	66°	20°	2.6		0
Madawaska	68°	5°	3.4			Kingston	62°	24°	2.4		0
Montreal River	62°	13°	4.9			Brockville	65°	23°	1.6		
Crystal Falls	64°	10°	6.6			Morrisburg	69°	14°	1.5		
Providence Bay	60°	18°	2.1			Ottawa	67°	18°	2.0		
Parry Sound	63°	20°	3.9		T	Ottawa (Exp. Farm)	66°	12°	2.1	75	
Scotia Junction	66°	8°	3.8			Renfrew	64°	12°	1.8		
Walker's Point	65°	16°	4.3			Pembroke	70°	17°	2.4		
Beatrice	66°	15°	4.2			Clontarf	67°	13°	2.5		0

QUEBEC

STATION	H	L	P	I	Sg	STATION	H	L	P	I	Sg
Cedars	66°	19°	2.6		0	Roberval	66°	18°	1.8		
Macdonald College	66°	19°	2.7			Albanel	61°	11°	2.1	59	1
Montréal	67°	22°	2.7	68	0	Manouan	64°	8°	1.7		
Farnham	67°	15°	2.5	77	0	Lake Kempt	57°	0°	1.8		
Brome	68°	10°	2.7			La Tuque	62°	11°	1.6		
Nicolet	66°	18°	1.8			Chute à Murdock	65°	12°	2.7		
Sorel	65°	15°	1.3		0	La Loutre Rapids	74°	7°	2.7		
Lennoxville	68°	12°	2.3	76		Huberdeau	64°	15°	2.6		1
Sherbrooke	68°	14°	2.0	79	T	St. Lin					
Drummondville	68°	15°	2.2			des Laurentides	65°	12°	2.2		
Beauceville	68°	11°	2.3			Maniwaki	68°	12°	3.9		
Lake Mégantic	70°	15°	1.6		2	St. Gabriel de					
Cap Rouge	63°	17°	1.7	.45		Brandon	58°	10°	2.6		1
Québec	64°	16°	1.9	63	1	La Ferme	56°	10°	3.2	31	
St. Joachim	64°	17°	2.2		0	Ville Marie	62°	20°	3.0		1
Armagh	64°	9°	1.4			Mont Laurier	65°	17°	2.6		2
Seven Falls	62°	7°	3.5			Temiskaming	63°	20°	3.9		
Ste. Anne de la						Sanmaur			2.3		
Pocatiére	64°	16°	1.1	86		Abitibi	57°	14°	4.1		1
La Malbaie	65°	9°	0.7			Gaspé	65°	9°	0.7		

ATLANTIC PROVINCES

Saint John	63°	17°	1.6	110		Sussex	68°	10°	0.9		
Aroostook	70°	8°	2.0			Woodstock	69°	10°	1.0		
Bathurst	72°	10°	1.6			Digby	65°	22°	1.9		
Chatham	70°	11°	1.5			Kentville	70°	15°	1.9	114	
Edmundston	64°	8°	1.8			Liverpool	69°	9°	1.1		
Fredericton	69°	11°	1.7	114		Nappan	63°	16°	1.3	114	
Fredericton (Experimental Farm)	67°	10°	1.2	113		Sydney	66°	23°	1.4		
						Truro	62°	14°	1.6		
Gagetown	68°	12°	0.9			Upper Stewiacke	68°	10°	2.3		
Harvey	68°	10°	1.2			Wolfville	70°	17°	2.1	123	
Moncton	70°	10°	1.4			Yarmouth	60°	24°	1.1		
Musquash	64°	8°	1.9			Charlottetown	62°	22°	1.3		
McAdam	68°	9°	1.6			Charlottetown (Experimental Farm)	63°	21°	0.9	112	
Rexton	70°	10°	0.8								


Port Nelson
Great Whale River
Moose Fort
Albany
Rupert Lake
James Bay
Harrington Harbour
Blanc Sablon
Anticosti
Pt. Amour
Pt. Parisien
Pt. Riche
Pt. Escuminac
Belleisle
Pt. Miscou
Dalhousie
Campbellton
Chatham
Newcastle
Fredericton
St. John
Moncton
Sackville
Amherst
Sable I.
Yarmouth
Eastport
Greenville
Montreal
Quebec
St. Lawrence
Ottawa
Chalk River
Sudbury
Lake Superior
Lake Michigan
Lake Huron
Lake Ontario
Lake Erie
Houghton
Marquette
Sault Ste. Marie
Escanaba
Alpena
Green Bay
Ludington
Saginaw
Port Huron
Grand Haven
Grand Rapids
Detroit
Milwaukee
Madison
Chicago
Toledo
Cleveland
Ft. Wayne
La Salle
Buffalo
Rochester
Oswego
Syracuse
Albany
Binghampton
Scranton
New York
Erie
Pittsburg
Harrisburg
Philadelphia
New Haven
Block I.
Nantucket
Boston
Concord
Portland
Northfield
Canton
+10°
+8°
+6°
+4°
+2°
−/+
90°
85°
80°
75°
70°
65°
60°
50°
45°
40°

CE, DOMINION OF CANADA.
R MAP
ER, 1931
from normal mean temperature; also total precipitation
month.
Ellesmere Island
Ponds Inlet
Godhaven
Arsuagsealik
Pangnirtung
Godthaab
Julianehaab
Resolution
Abbe Inlet
Cape Walstenholme
Wakeham
Hopes Advance
Fort Burwell
Fort Chimo
90°
85°
80°
75°
70°
65°
60°
55°
50°
45°
40°
35°
60°
55°

REFERENCES.
The upper Figures give the mean Temperature.
The lower Figures give the precipitation in inches.
The Black lines shew the difference from the normal mean Temperature.
The shading shews approximately the precipitation of the month.
Less than 1 inch
Less than 2 inches
Less than 3 inches
Less than 4 inches
More than 4 inches
Churchill
Mt Murray
Peace River Landing
Grouard
Athabasca Landing
Fort Mackenzie
Fort Simpson
Fort Liard
Fort Nelson
Dunvegan
Edmonton
Jasper
Lac la Ronge
Pikwitonei
Norway House
Prince Albert
Battleford
Calgary
Saskatoon
Medicine Hat
Swift Current
Moose Jaw
Qu'Appelle
Minnedosa
Winnipeg
Kamloops
Nicola
Esteven
Triangle I.
Tatoosh I.
Seattle
Tacoma
North Yakima
Portland
North Head
Columbia
Spokane
Wallace
Walla Walla
Lewiston
Kalispell
Barrie
Missoula
Helena
Miles City
Billings
Yellowstone Park
Williston
Devils Lake
Bismarck
Moorhead
Ellendale
Sheridan
Pocatello
Rapid City
Pierre
Huron
St Paul
Lander
Valentine
Charles City
Sioux City
Salt Lake City
Cheyenne
North Platte
Omaha
Red River
120°
115°
110°
105°
100°
95°

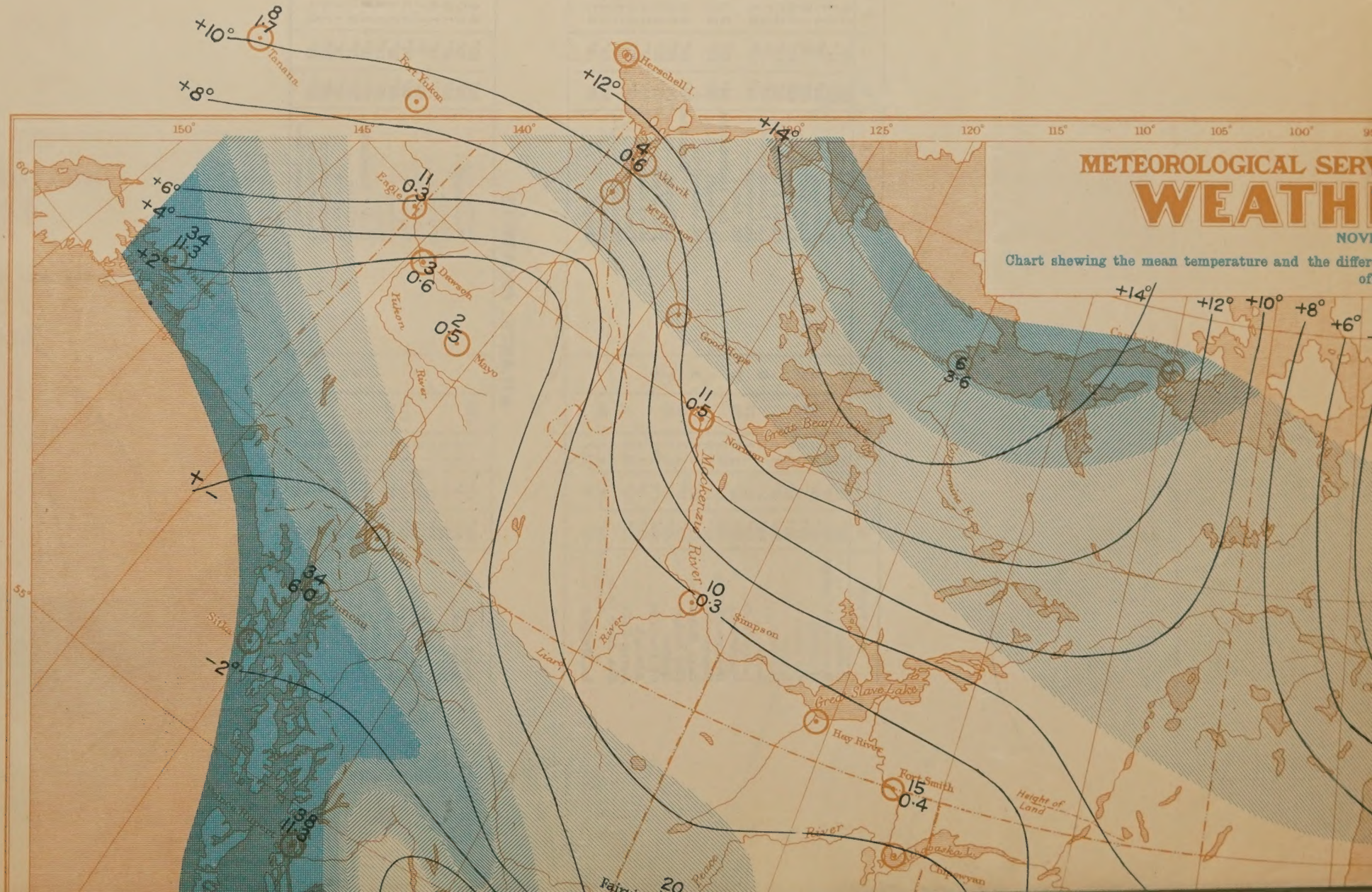

METEOROLOGICAL SERV
WEATH
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Chart shewing the mean temperature and the differ
of
+10°
+8°
+12°
+14°
+6°
+4°
+2°
+1°
-2°
Herschell I.
Fort Yukon
Eagle
Dawson
Yukon River
Mayo
Good Hope
Norman
Mackenzie River
Simpson
Liard River
Slave Lake
Hay River
Fort Smith
Height of Land
150°
145°
140°
125°
120°
115°
110°
105°
100°
60°
55°

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WEATHER BUREAU